

# Demonstration of R Markdown

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## R Markdown

You will need to create R Markdown files to submit assignments.

- You can combine both **text** and **codes** in a single Markdown file.
- Lab materials can be found from [my github page](#).

You can change line by adding **two spaces**, or typing `\`, or adding `<br>`, at the end of the first line.

## Typing Equations

You can type equations in Markdown using a LaTeX-style syntax.

For example, the sample mean (statistic) is given by  $\hat{\mu} = \frac{\sum_{i=1}^n y_i}{n}$

You can also type the equation in a separate line by having two **\$\$** at the beginning and the end of the equation. This makes equations more clear.

$$\hat{\mu} = \frac{\sum_{i=1}^n y_i}{n}$$

Notations and syntax can be strange at the beginning. You will get used to it gradually. You can refer to this [page](#) for more information.

## Integrating Codes

```
## your codes
```

```
## install package individually  
install.packages("tidyverse")
```

```
## or install multiple packages together  
install.packages(c("tidyverse", "gridExtra", "kableExtra"))
```

```
## load packages  
library(tidyverse)  
library(gridExtra)  
library(kableExtra)
```